

IN-19-16



SEP 10 1982

E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED
EAST CHICAGO, INDIANA 46312

CHEMICALS AND PIGMENTS DEPARTMENT

September 8, 1982

U. S. EPA, Region V
230 South Dearborn Street
Chicago, IL 60604
Attn: Ms. Beverly Kush

EPA Region 5 Records Ctr.



297580

Dear Ms. Kush:

We have been asked to allow Ecology and Environment, Inc. to conduct groundwater testing at our DuPont East Chicago plant. We requested more information about this program and Ecology and Environment, Inc. has referred us to your office for advice on overall plans and objectives. (See attached correspondence)

Would you please send us the scope of work for activities planned in the East Chicago/Gary/Hammond area pertaining to this groundwater program. Should you have any questions, please contact me.

Sincerely,

John T. Sixsmith
Env. Control Coordinator

cc: Ms. Ellen Jurczak
Ecology and Environment, Inc.

Jim Knoy
Indiana State Board of Health

JTS/grd
Attachment



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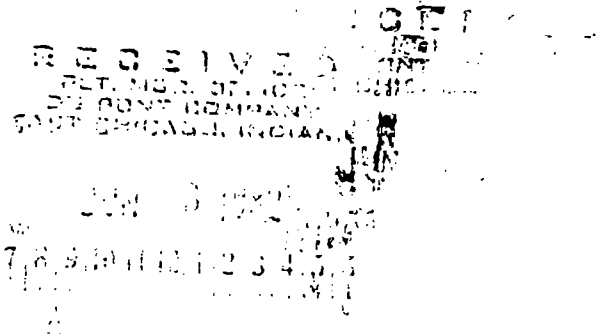
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ecology and environment, inc.

223 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60606, TEL. 312-663-9415

International Specialists in the Environmental Sciences



June 7, 1982

Mr. John Sixsmith
E.I. DuPont Co.
5215 Kennedy Ave.
East Chicago, Indiana 46312

Dear Mr. Sixsmith:

The United States Environmental Protection Agency and the Indiana State Board of Health have requested Ecology and Environment to install and sample four groundwater monitoring wells on the E.I. DuPont property. Ecology and Environment personnel would supervise the drilling of these wells during the month of July. The locations of the wells are marked on the enclosed map. Access to company property will be appreciated.

Should you have further comments or questions, please contact me at my office: (312) 663-9415.

Sincerely, yours,


Ellen Jurczak

EJ:rp

JUL 14 1982



E. I. DU PONT DE NEMOURS & COMPANY

INCORPORATED

EAST CHICAGO, INDIANA 46312

CHEMICALS AND PIGMENTS DEPARTMENT

July 13, 1982

Ecology and Environment, Inc.
223 Jackson Blvd.
Chicago, IL 60606

Attn: Ellen Jurczak

Dear Ms. Jurczak:

We received your letter of June 7 requesting permission for your company to install and sample four groundwater monitoring wells on our Du Pont East Chicago, Indiana plant. As discussed with you by phone, we need more specific information on the program, and I hope that additional details are available to you now.

First, there are the practical aspects of job scope which we need to understand in order to plan for safety orientation and escort of your personnel and to make arrangements for any necessary follow-up services which we must provide. Because the Du Pont East Chicago plant is a small chemical manufacturing operation staffed with a minimum force, we must plan and schedule extra activities carefully. Specific questions follow:

- On what dates and for what time periods do you propose to visit the plant?
- What activity is planned for each visit?
- How many of your people will be involved in each visit?
- Are any agency permits required? If so, what is your program for obtaining them?
- Will Ecology and Environment, Inc., be responsible for all job costs?
- Will there be any need for your personnel to visit plant areas other than the four well locations?
- When will the wells be removed and the work sites restored to their original conditions?

Ellen Jurczak
July 13, 1982
Page two

Second, there is the technical aspect of your plans, highly important to us from the standpoint of assuring the quality, accuracy and validity of data obtained for our site. We would appreciate detailed information sufficiently in advance of the physical work for our review and comment. Specific information needs follow:

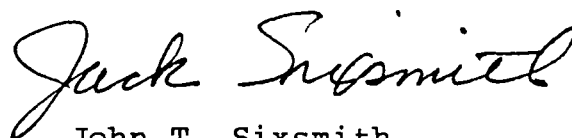
- What is the design of the proposed wells and what materials of construction will be used?
- What procedures are specified for drilling, sealing, flushing, and closure of the monitoring wells?
- What number of samples will be taken and for what characteristics will they be analyzed?
- What are the procedural details for the collection and identification of samples and for their control prior to analyses?
- What analytical methods will be used?
- What quality assurance program is specified for the control of analytical procedures?
- What laboratory will run the sample analyses? Is the laboratory EPA approved?

Finally, we wish to understand the overall study plans and objectives and the degree your proposed program will include the municipality and other industry in our immediate locality. As we have pointed out to the EPA previously, we believe that any meaningful groundwater monitoring study must be done on an area-wide basis rather than an individual plant basis since there is such a concentration of heavy industry in this region. To gain insight in this matter, we request that you share with us a copy of the EPA contract under which your monitoring study will be done and also a copy of the scope of work for all activity programmed to take place in East Chicago, Gary, and Hammond.

Ellen Jurczak
July 13, 1982
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We would appreciate your reply to our questions. Please do not hesitate to call me should you need additional information.

Yours truly,

A handwritten signature in cursive script that reads "Jack Sixsmith".

John T. Sixsmith
Environmental Control
Coordinator

JTS:ckg

cc: Jim Knoy
Indiana State Board of Health
1330 West Michigan Street
Indianapolis, Indiana 46206



ecology and environment, inc.

223 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60606, TEL. 312-663-9415

International Specialists in the Environmental Sciences

August 20, 1982

Mr. J.T. Sixsmith
Environmental Control Coordinator
E.I. Dupont DeNemours and Company
5215 Kennedy Avenue
East Chicago, Indiana 46312

Dear Mr. Sixsmith:

In response to your letter of July 13, 1982 (attached), the following are answers to your questions:

- The dates we drill depend on our schedule and the drillers' schedule. Drillers usually require a one or two week notice.
- We plan to spend our first visit drilling and installing wells. This will be followed by a trip to survey and sample the wells. Depending on the results of the samples analysis, the Indiana State Board of Health and USEPA may request more sampling.
- Two E & E people will be onsite during drilling. In addition, the company contracted for drilling will send at least two people to drill the wells. A team of four people will survey and sample the wells.
- The drillers are responsible for obtaining all permits.
- Ecology and Environment is responsible for the costs of the well installation and removal and samples analysis.

- There is no need for E & E personnel to visit plant areas other than the well locations.
- The USEPA and ISBH will decide the termination date of the project.
- See attachment showing well design.
- The wells will be drilled with hollow stem augers utilizing split spoons for sampling. All equipment will be decontaminated with acetone and distilled water.
- Sampling will entail groundwater removal until it clears up or until 10 well volumes have been removed. Five volumes will then be removed prior to sampling.
- Each well will have a metal, locking cap, casing protector cemented in place around it to prevent as much tampering as possible.
- When monitoring is complete the well will be pulled out completely or cut off at the surface and the hole plugged with bentonite.
- A sample will be taken from each of the four wells and any nearby surface water (both up- and downstream). In addition, one duplicate sample and one blank sample will be taken. These samples will be analyzed for priority pollutants. These include organic and inorganic analyses.
- Samples are identified by a sample tag attached to or folded around the sample. Included on the tag are the sample identification number, date, time and location of sample

collection, designation of the sample as a grab or composite, the type of sample and preservative, any remarks, and the signature of true sampler. After collection and identification, samples are preserved and maintained under chain-of-custody procedure. They reach the analytical labs within 24 hours of collection.

-Only USEPA-approved methods are used for samples analysis.


-The analytical results are reviewed by the USEPA's Central Regional Laboratory.

-Only USEPA HWI Sample Management Office Contract Labs are used for samples analysis.

-The scope of work for all activity planned in the East Chicago, Gary and Hammond areas can be obtained through the USEPA Superfund Office in Chicago. The E & E contract with the USEPA is quite voluminous and specific projects are not mentioned in it.

Should you have further questions, please contact me.

Sincerely yours,



Ellen J. Jurczak
Environmental Engineer

EJJ:vh
Attachment

